

HOW TO USE YOUR

Bell & Howell
HEADLINER
SLIDE
PROJECTOR



finer products through imagination

register your
projector now!

let's look at your **HEADLINER PROJECTOR**

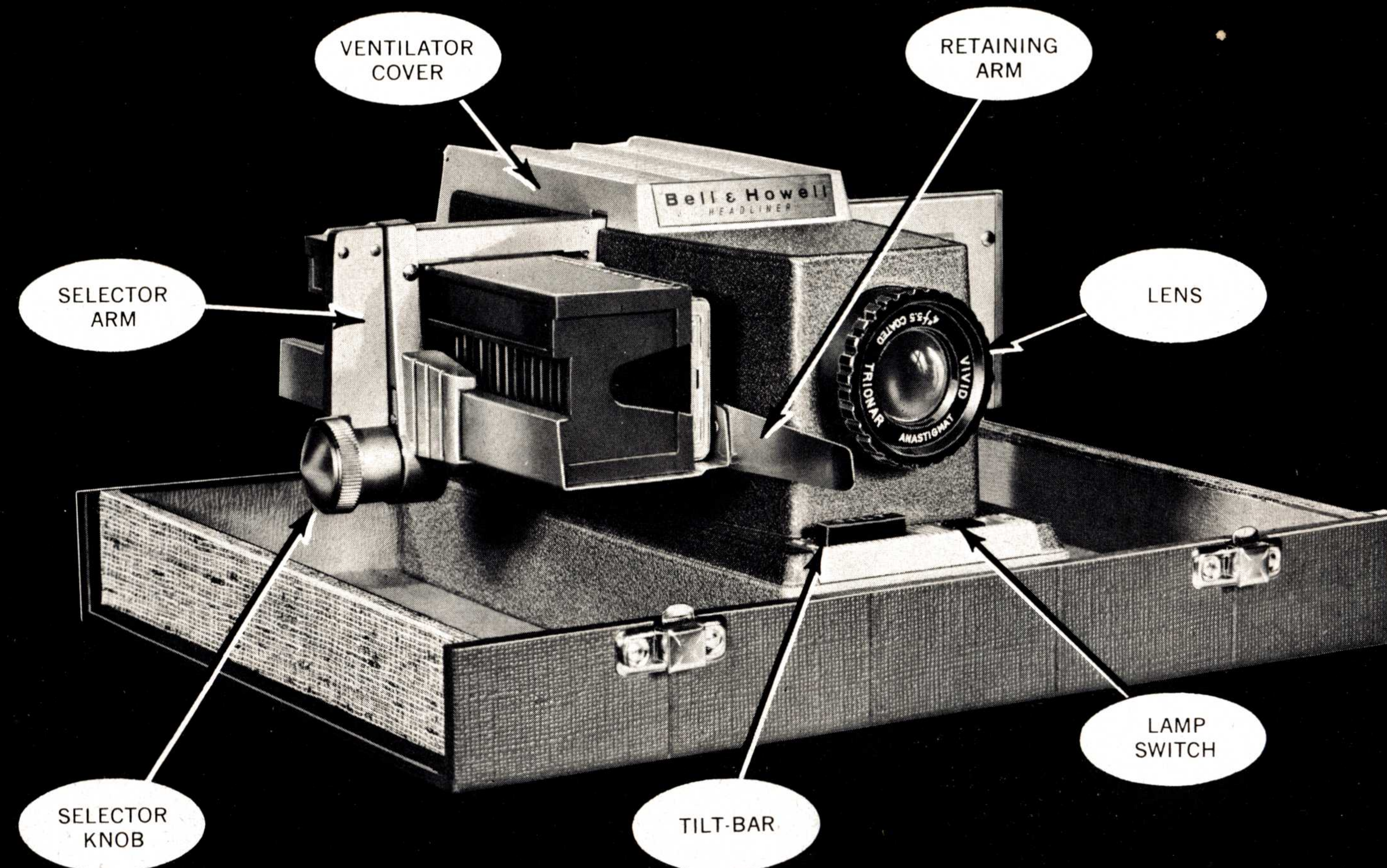
Showing slides with your Headliner is just plain fun. It's so quick to set up, so simple to operate. Take a few seconds to familiarize yourself with its outstanding features:

- **EXTRA SHARP 4" f/3.5 LENS** projects your slides in vivid detail.
- **FULL-TIME BLOWER** provides cooler-than-ever operation.
- **FINGER-TIP TILT BAR** for fast, positive picture height adjustments.
- **COMPACT CARRYING CASE** carries and tucks away so neatly.

NOTE: All models of the Headliner operate similarly. The main difference between them is the type of slide changer they use. Your projector will be equipped with one of these versatile changers depending on the model you purchased:

- **MANUAL CHANGER** shows your slides individually with a simple push-pull of a lever.
- **SELECTION SEMIMATIC** lets you enjoy uninterrupted slide shows quickly and quietly.
- **ELECTRIC CHANGER** shows your slides automatically by remote control from anywhere in your room.

All Bell & Howell slide changers except super slides.



Fill out the postcard attached to the cover of this booklet. Be sure to include the serial number of your projector (it's located on the Bell & Howell name plate where the line cord connects to the projector). Then mail the card TODAY! By registering your projector you are assured of:

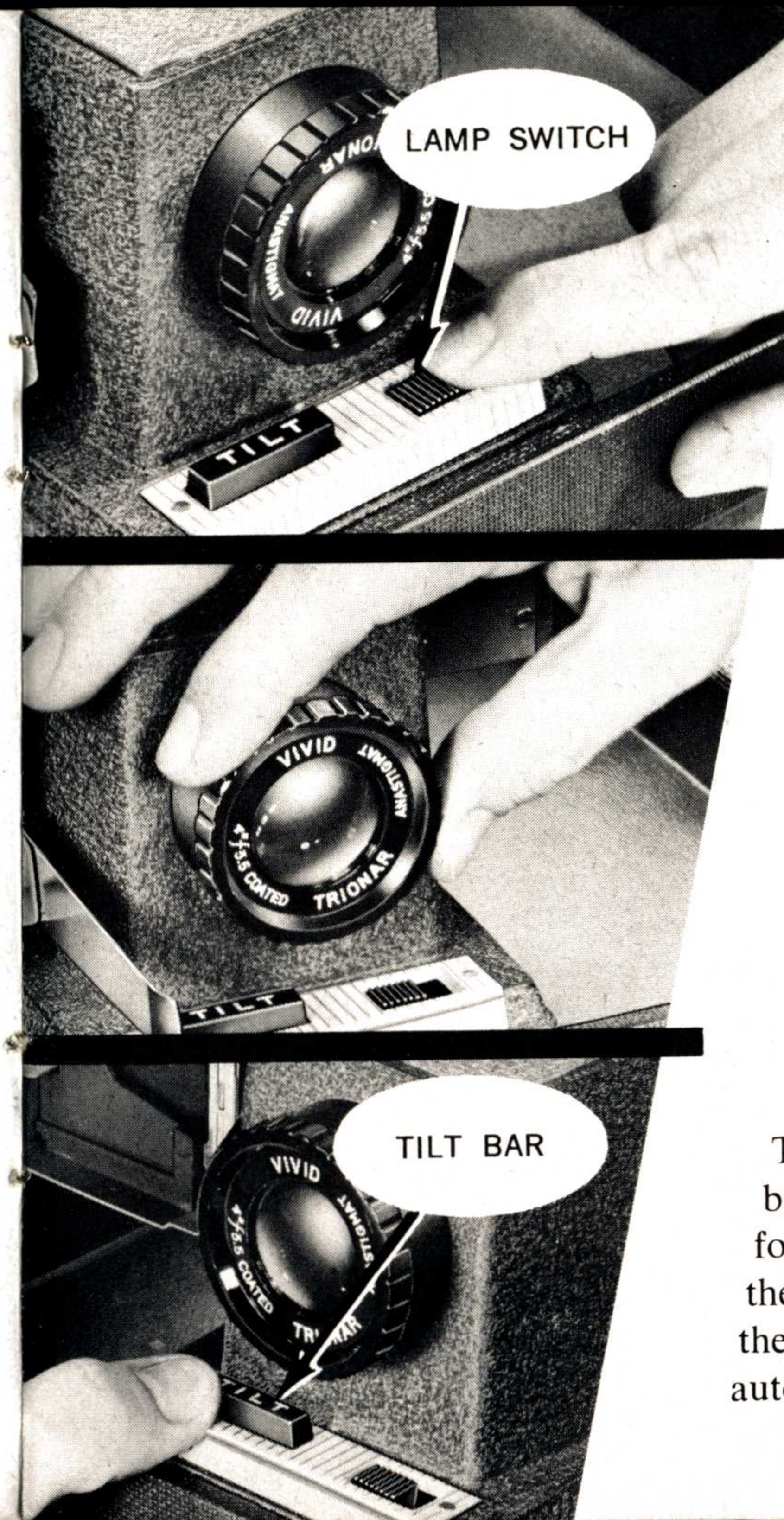
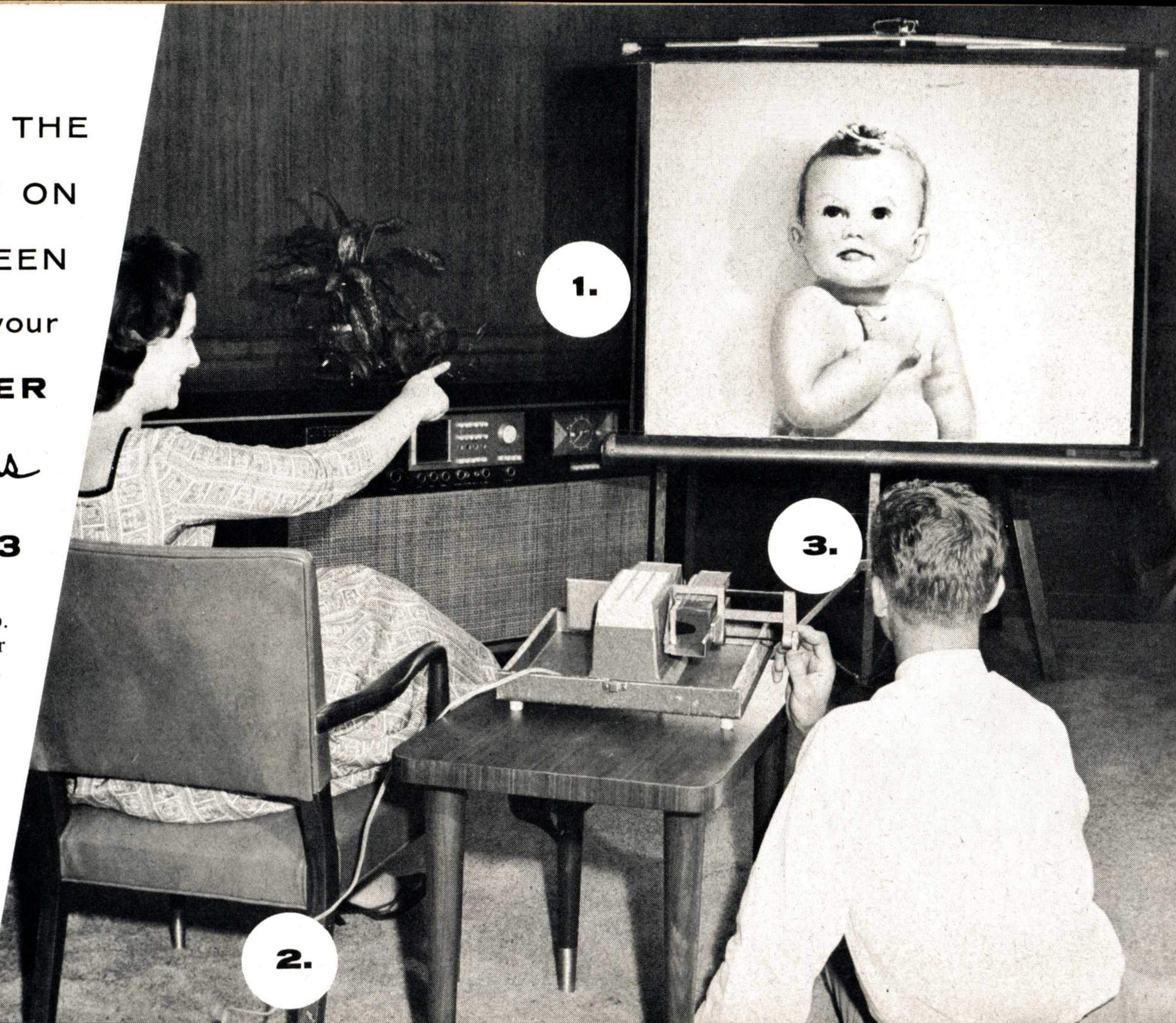
- full benefits of the Bell & Howell Guarantee
- free advice by mail from the Bell & Howell Personal Service Department



GETTING THE SHOW ON THE SCREEN with your HEADLINER is as easy as

1-2-3

1. Here's the first simple step. Set up your projector and screen.
2. Now all you have to do is plug in the line cord and turn on the lamp.
3. Bring your first slide into position—focus the lens—and watch your slides come to life in breathtaking color.



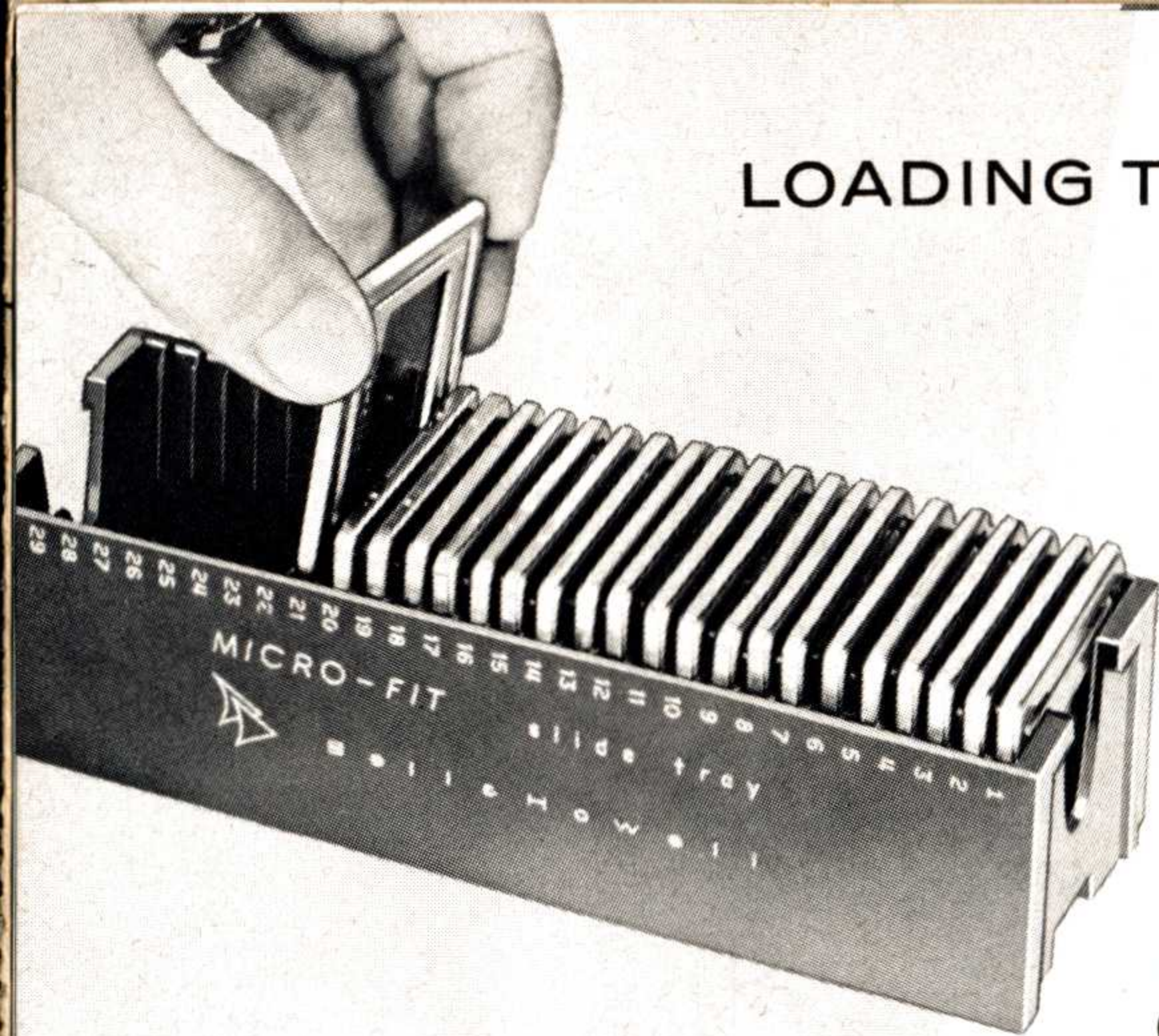
SETTING UP FOR A SHOW

Setting up your Headliner is fast and easy. Just set up your screen (see projection distance table on page 7) and place your projector on a firm stand or table. You'll always get better results with your Headliner if the surface in which you operate your projector is clear. Never leave loose papers or a table cover under your projector, as the fan may draw them up and your slides and optical system will not receive proper cooling.

Your Headliner operates on 110-120 volt, 60 cycle *alternating current only*. Unwind and plug in the projector line cord. This automatically turns on the fan. To turn on the lamp, slide the switch at the front of the projector toward the Tilt Bar.

FOCUSING AND TILTING

The lens on your Headliner is easily focused by rotating the front barrel of the lens until the picture is sharp. When your first slide is focused sharply, needed tilt adjustments are made by raising the front of the projector and pressing down the TILT BAR. Release the Tilt Bar when your picture is at proper level and the front leg will automatically lock into place.



LOADING THE MICRO-FIT TRAY FOR USE WITH THE SELECTRON SEMIMATIC AND ELECTRIC CHANGERS

Place the Micro-Fit tray on a flat surface with the open side up, numbers to the right. Load your slides with dull (emulsion) side away from you. The bottom of the picture on the slide must be toward the numbered side of the tray.

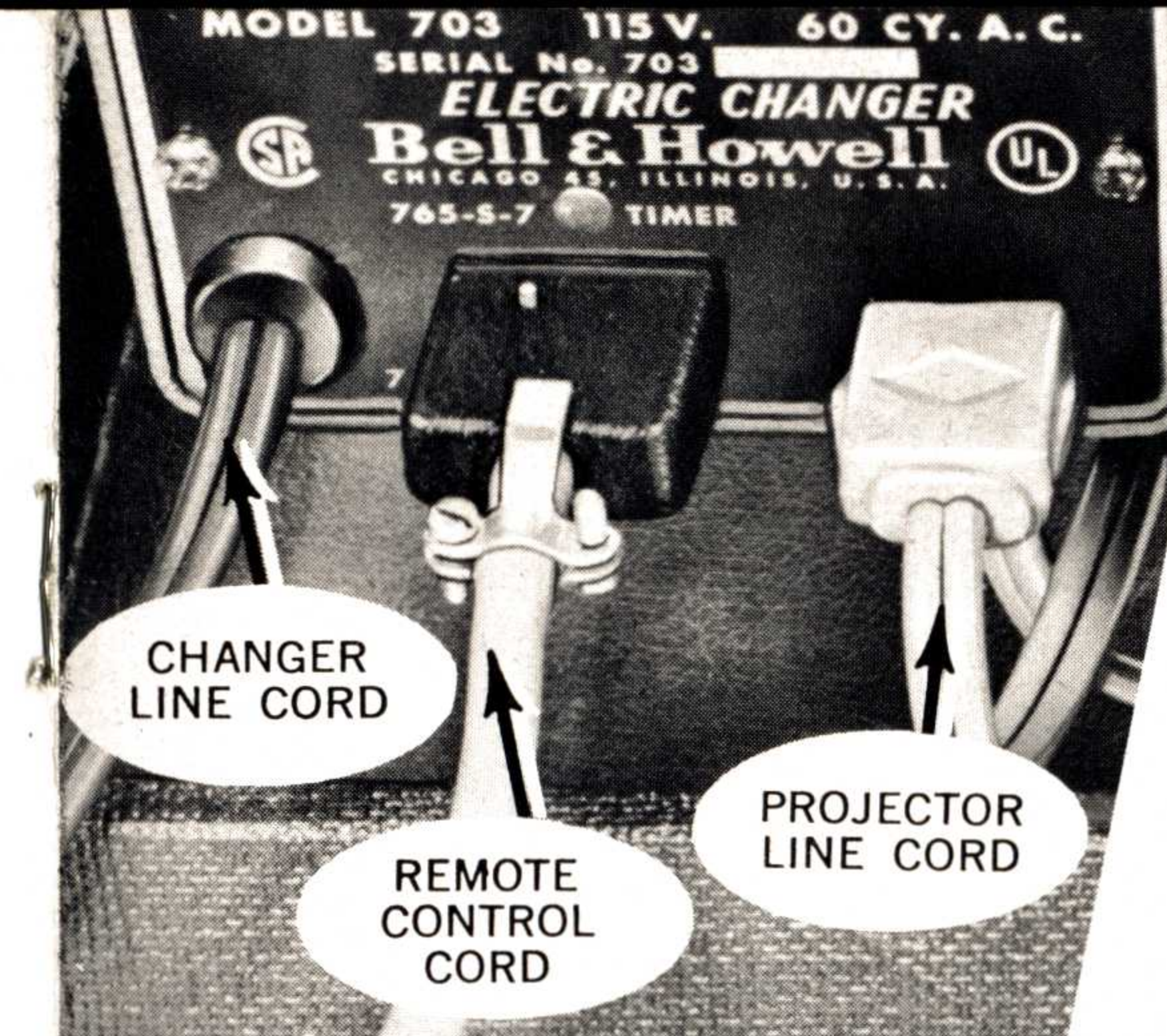
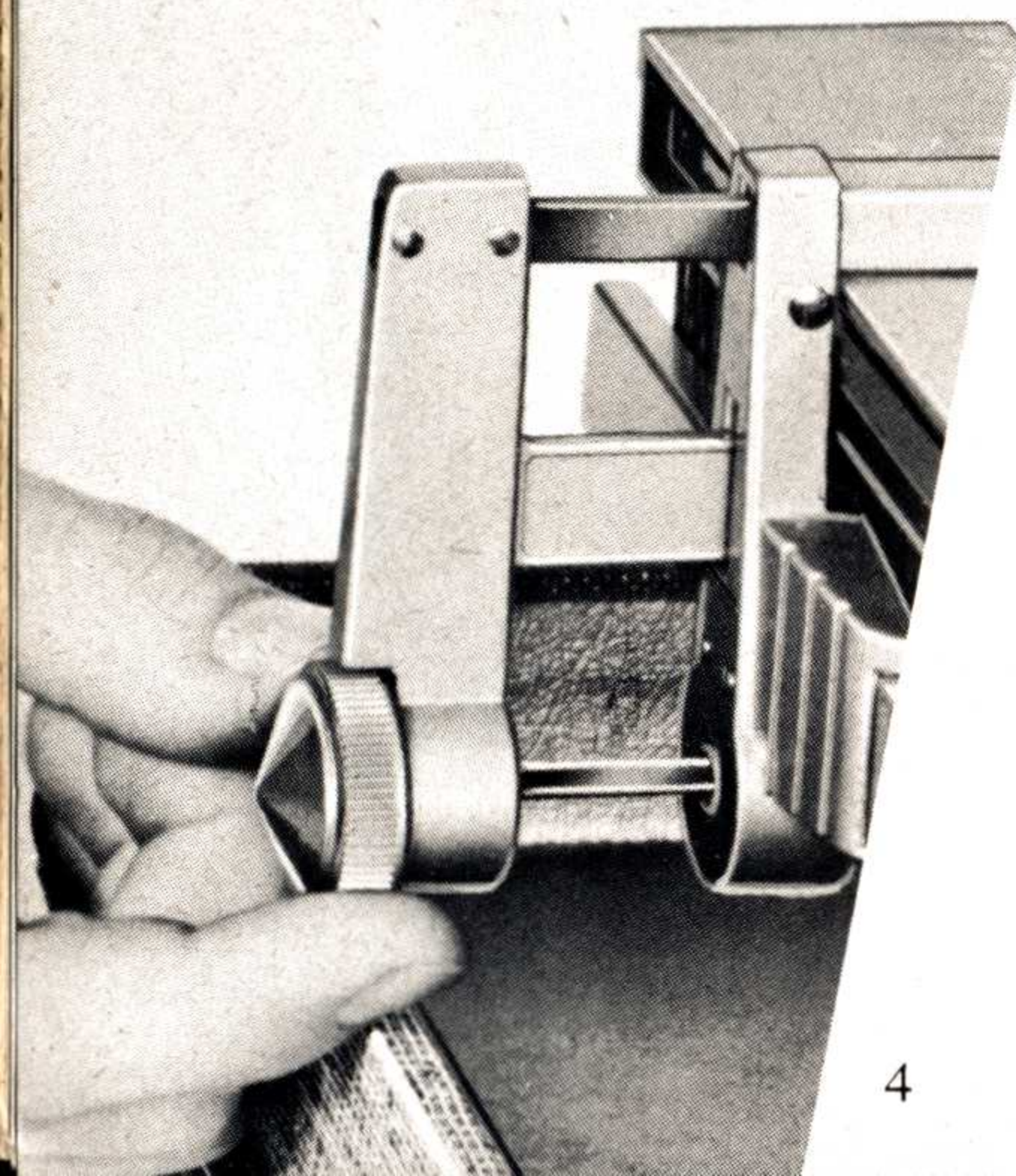
You'll enjoy the convenience of storing your slides permanently in Micro-Fit trays. Each projector is furnished with one custom made Micro-Fit tray, a plastic cover, and an index on numbered, self adhesive labels. Fill in and affix this index to the inside of the plastic cover (not to the tray) for quick easy reference. The Micro-Fit tray accepts 30 2"x2" slides, whether in cardboard, glass, or metal mounts. (Additional Micro-Fit trays may be purchased from your Bell & Howell Dealer.)

OPERATING THE SEMIMATIC CHANGER

Before you operate your Semimatic Changer, fold out the two retaining arms. Place the loaded Micro-Fit tray on the rear platform with the numbered side up and the open side facing the projector. Push the tray gently with your left hand at the same time turning the Selector Knob one click clockwise with your right hand. This will bring the tray into position for showing your first slide and the number 1 on the tray will be directly under the Selector Frame.

Push the Selector Arm all the way in to project your first slide. Pulling the Selector Arm all the way out will return the slide to the tray. Advance the tray to the next slide by turning the Selector Knob. Always be sure the Selector Arm is withdrawn as far as it will go before turning the Selector Knob.

Should you wish to skip or review a slide, withdraw the Selector Arm. The tray can then be moved forward or backward by turning the Selector Knob.



OPERATING THE ELECTRIC CHANGER

If your Headliner was purchased with the Bell & Howell Electric Changer, you can enjoy the convenience of automatic slide changing. The Electric Changer lets you change slides at any time, from any place in the room, by remote control. It also includes a manual setting for re-showing or skipping slides.

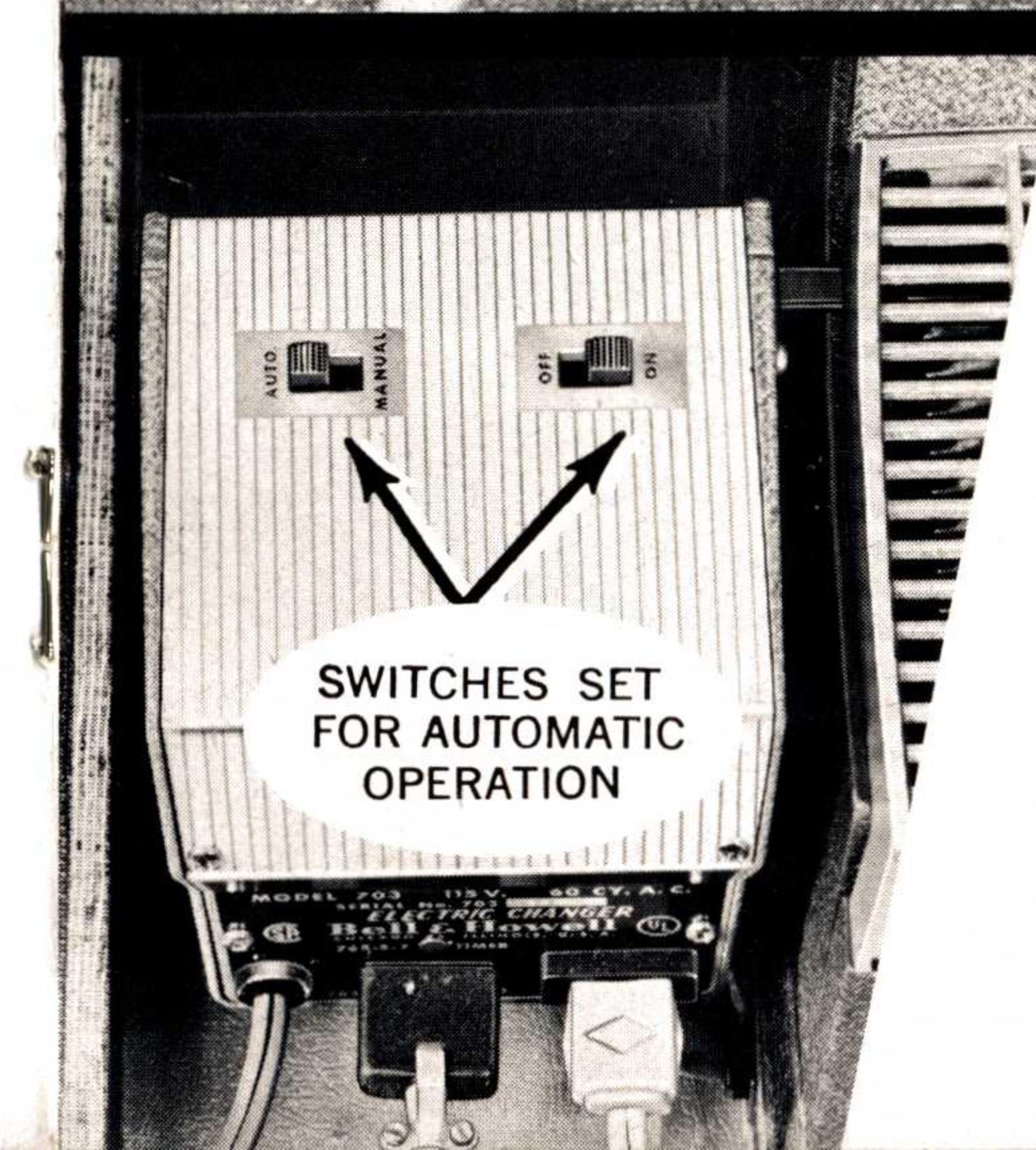
The Electric Changer operates on the same current as your projector (110-120 volt, 60 cycle alternating current only.) Fold out the two Retaining Arms on the Changer. Place the loaded Micro-Fit tray on the rear platform with the numbered side up and the open side facing the projector. Plug the projector line cord and the remote control switch into the Electric Changer receptacles as illustrated.

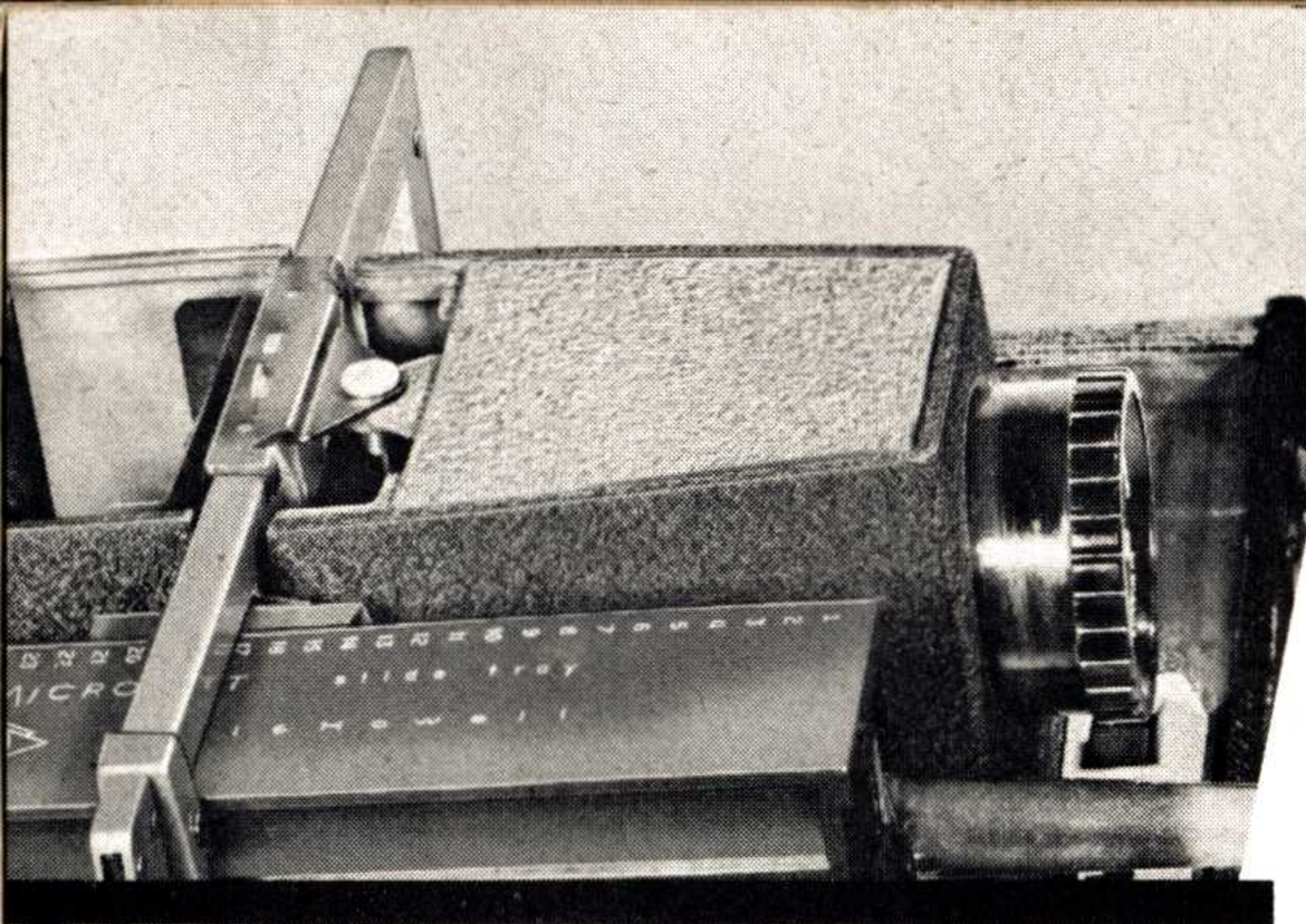
Set the two switches on the Changer to Automatic and ON, respectively. Now you can operate the Changer by simply pressing the button on the Remote Control Switch.

Note: The Electric Changer will only run trays forward, not in reverse.

MANUAL SETTING: Occasionally you may want to skip or review one or more slides. To do this, first set the Changer switch from Automatic to Manual. Now press the Remote Control Button once briefly to move the Selector Arm all the way out. While the arm is out, the tray can be moved forward or backward by turning the Selector Knob. When the tray is in position for the slide you want to show, press the Button again briefly. The Selector Arm will slide in and insert your slide into the projector. To resume normal operation, flip the switch from Manual back to Automatic, and use the Remote Control Switch to advance the tray.

Important: Keep your fingers clear of the Selector Arm.



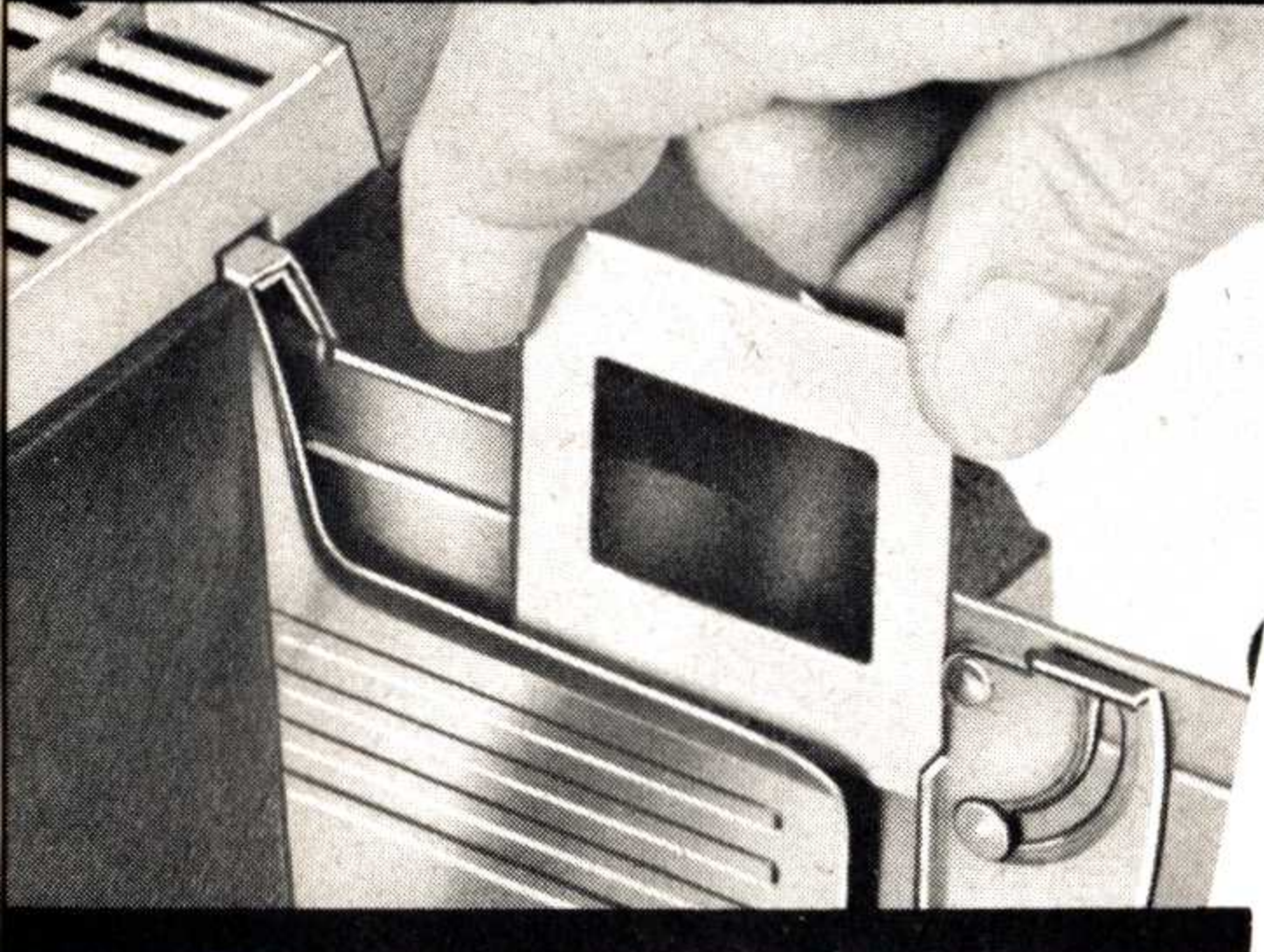


OPERATING THE MANUAL CHANGER

A Manual Changer that lets you edit your slides individually and arrange them in a story-telling sequence is available as an accessory for your Headliner.

To install the Manual Changer, grasp the rear of the Ventilator Cover and lift up until the springs holding the cover release. Slide the cover back off the projector. Remove the screw holding the triangular bracket and slide the Changer into place. The lugs on the Changer must be centered with the slots in the bracket. Replace the screw to lock the Changer in place. When the Manual Changer is inserted correctly, the red dot on the Changer will face the screen and your slides will be inserted from the right side.

To insert your first slide, pull the Slide Changer Handle to the right as far as it will go. Place the slide in the Carrier upside down with the dull (emulsion) side toward the screen. Push the Slide Changer Handle in and your first slide will be centered automatically for projection. Pull the Slide Changer Handle to the right. This will withdraw the shutter and project the slide. The next slide may now be placed in the Carrier. When it is pushed into position for showing, the previous slide will be ejected at the left hand side. To eject your last slide, push down on the Last Slide Out Lever as illustrated. Be sure to return the Lever to its normal position for your next showing.



LAST
SLIDE OUT
LEVER

FAULTY SLIDES

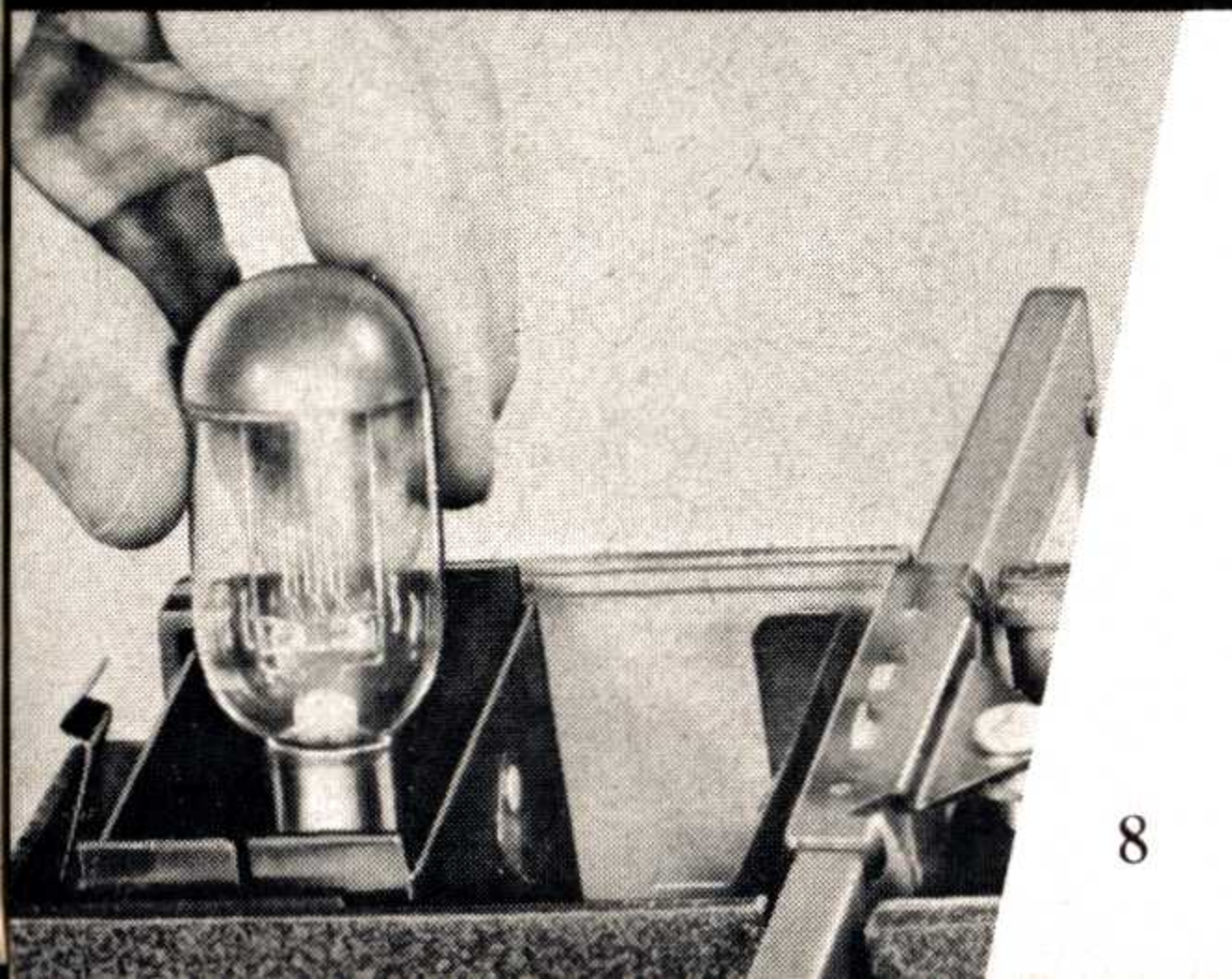
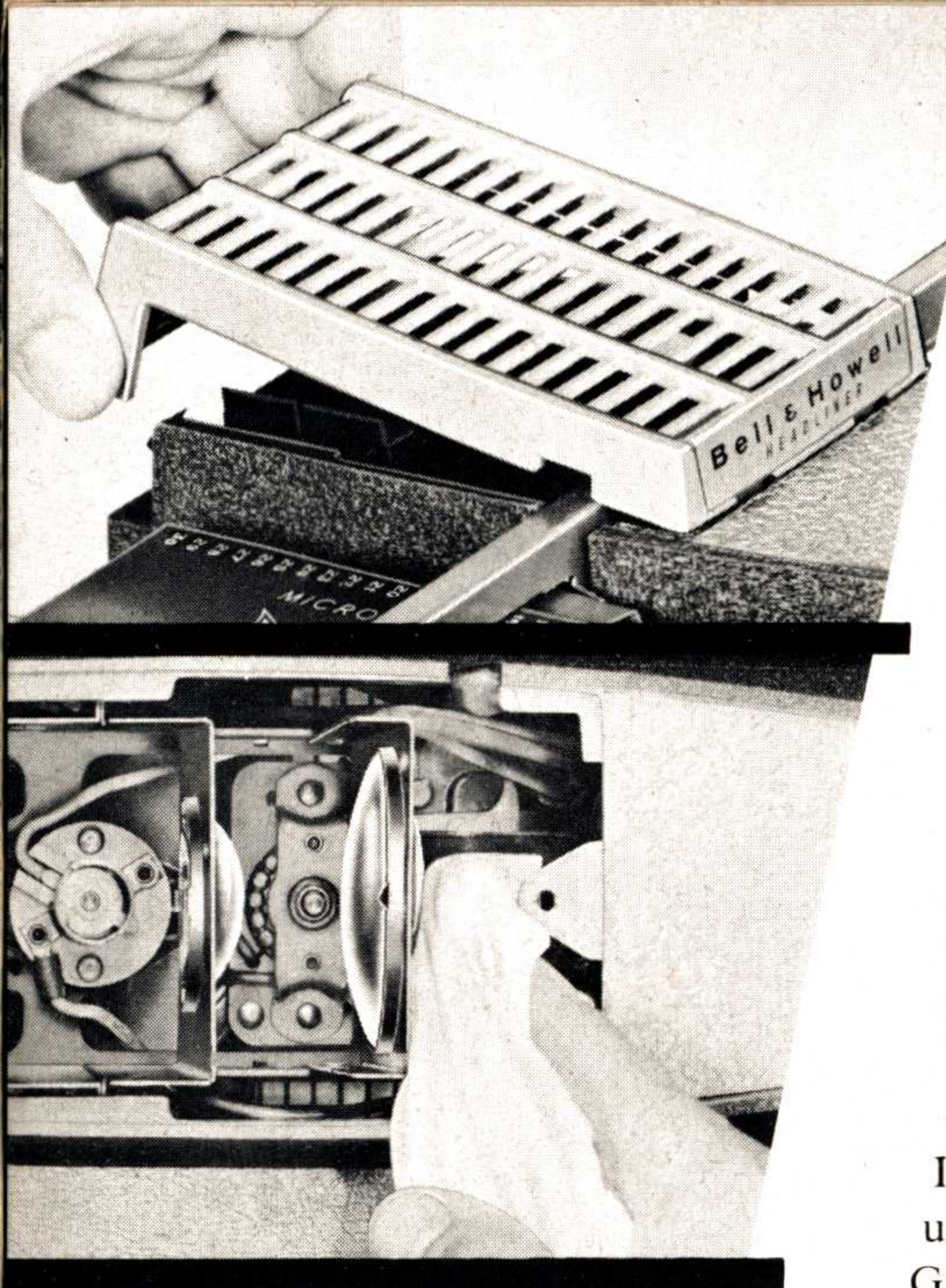
It is almost impossible to jam normal slides in the Semimatic or Electric Changers. However slides which are bent, worn, or glass mounted slides in loose mounts may occasionally cause trouble. If a slide in this condition jams the Changer, remove the Changer from the projector. This is done by lifting off the Ventilator Cover and loosening the screw that holds the Changer in place. On the Semimatic Changer, the slide will be accessible through the aperture.

If a slide should jam in the Electric Changer with the Changing Bar part way out, turn the ON-OFF switch OFF. On the under side of the Changer Box is a toothed gear. Turn this gear with your finger until the Changer Bar slides all the way out. Remove the tray by turning the Index Knob, and remove the damaged slide.

WHERE DO I SET MY SCREEN?

The size of your projected picture depends on the distance between your projector and screen and the focal length of the lens you use. To determine the location of your screen use the chart below as a quick reference. By projecting through a Bell & Howell lens of proper focal length you can obtain practically any size picture from the most convenient place in your room. Ask your B&H dealer about additional lenses for your Headliner.

projection distance table (in feet)							
size of transparency	focal length of projection lens, inches	screen width, inches					
		40	50	60	70	84	96
		projector to screen distance in feet					
Double frame 35mm slide & strip, 23x34mm aperture, 2x2 slide mount.	4	11	13	16	18	22	25
	5	13	16	19	22	27	30
	6	15	19	23	27	32	36
	7½	20	24	29	34	40	46
Bantam size slide, 26.2x 38.1mm aperture, 2x2 slide mount.	4	10	12	14	16	20	22
	5	12	15	17	20	24	27
	6	14	17	20	24	28	32
	7½	18	22	26	30	36	44



MAINTENANCE

Your projector is lubricated at the factory and requires no oiling.

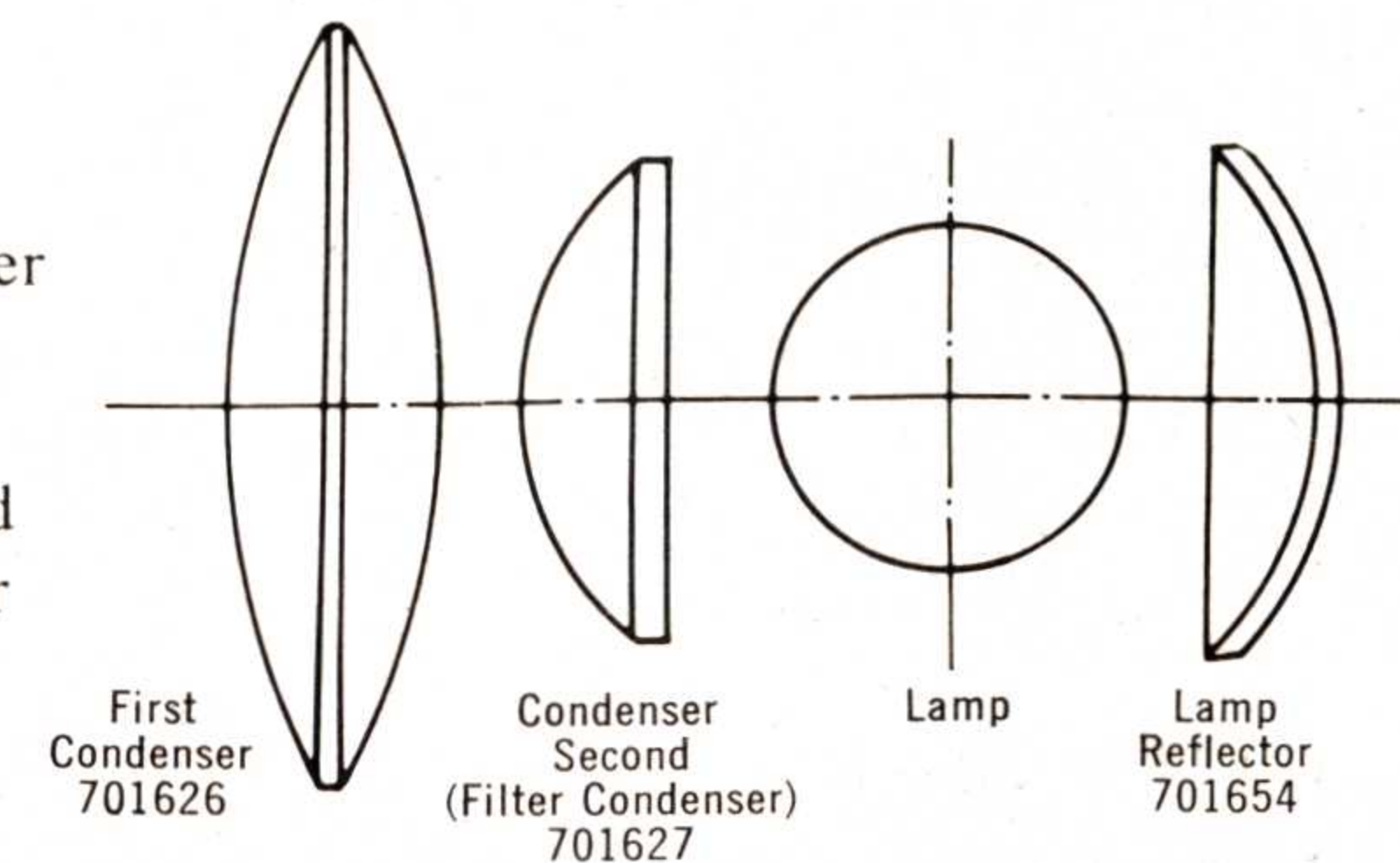
CLEANING THE OPTICS

The optical system of your projector is exceptionally easy to clean. Let the projector cool so you can handle it comfortably. Grasp the rear of the Ventilator Cover and lift up until the springs holding the cover release. Slide the cover back off the projector. Remove the Slide Changer by removing the retaining screw holding the Changer Lock in place. (On models equipped with the Manual Changer, lift up the triangular spring and slide the Changer out.) Remove the lamp as described under lamp replacement. The optical elements can now be cleaned in place. Wipe off each surface with a piece of lens tissue, or a clean lint-free cloth. If there are fingerprints, oil, or other marks on the optics moisten the cloth with Opti-Kleen. To clean the rear surface of the lens, rotate the lens counterclockwise until it disengages from its mount. Never use sharp tools on any part of your projector.

LAMP REPLACEMENT

If a lamp burns out during use, turn the lamp switch off and let the blower operate until the lamp is cool enough to handle comfortably. Disconnect the line cord.

Grasp the rear of the Ventilator Cover and lift up until the springs holding the cover release. Slide the cover back off the projector. Press the lamp down firmly, turning it one-quarter turn counterclockwise and lift out. To insert a new lamp, align the pins on the lamp with the slots in the lamp socket. Press the lamp down and turn it one-quarter turn clockwise. Your Headliner accepts a 300-watt 120-volt (type CYC T-10 SC) bayonet lamp.



775 TAPE RECORDER

Enjoy the finest in sound fidelity, with this exciting portable. Two large speakers, simple push-button controls. Up to 4 hours recording/playback time. Two speed dual track, high speed forward and reverse. Handsome carrying case.

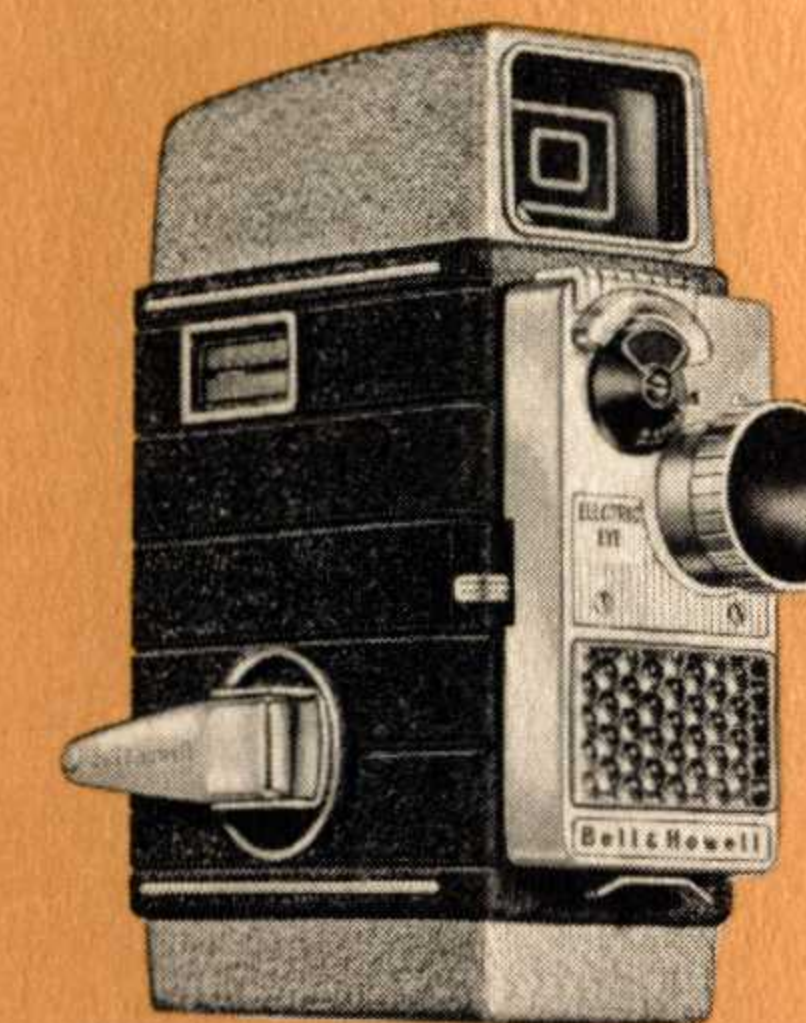
Bell & Howell



200EE

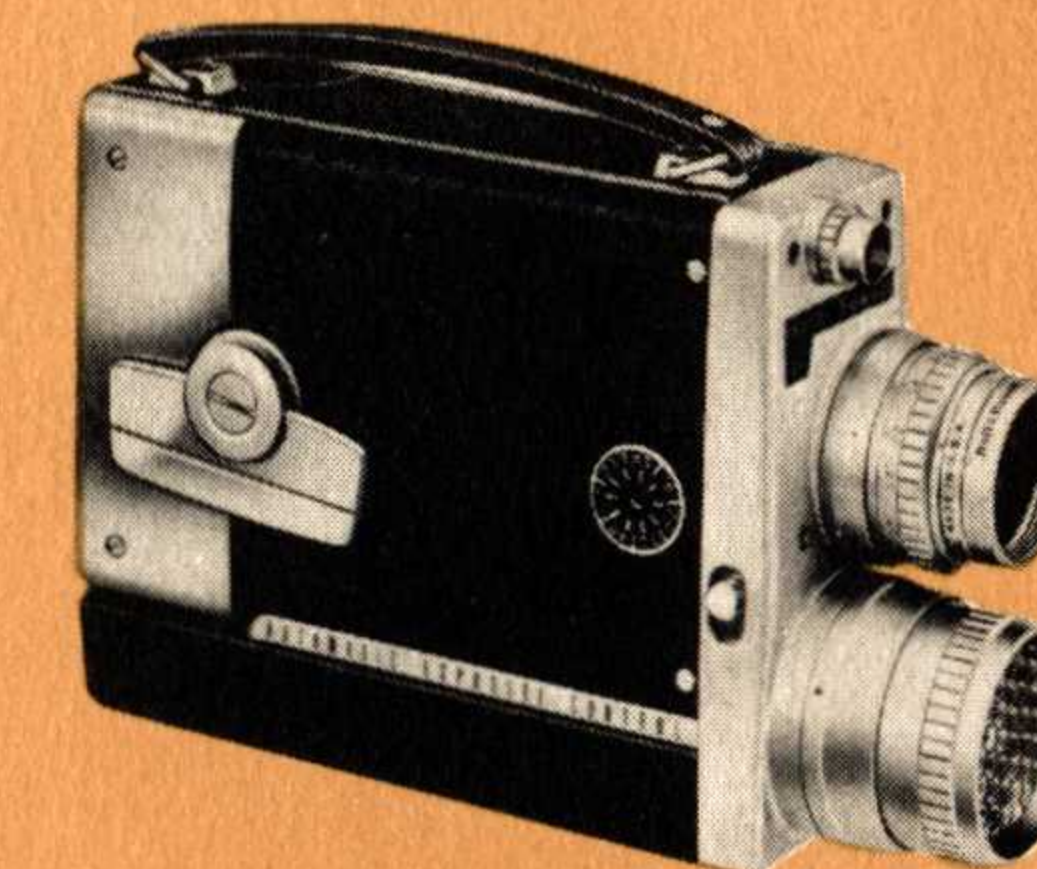
16mm ELECTRIC EYE MOVIE CAMERA

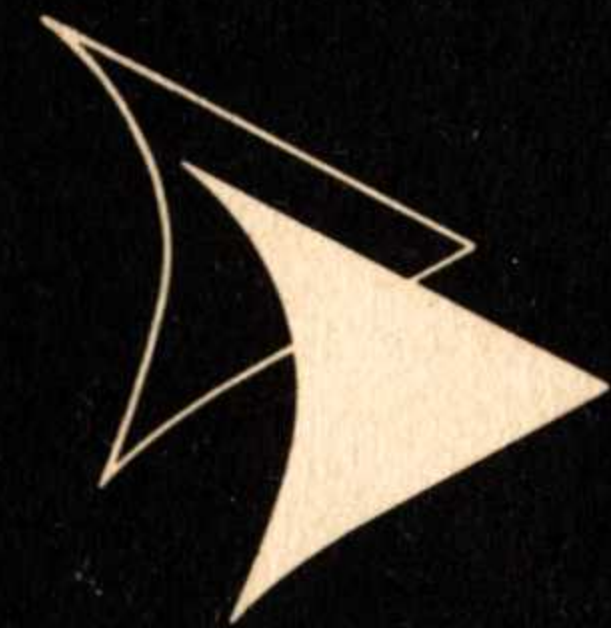
Here's an Electric Eye camera that loads in just three seconds, gives big screen color movies automatically. Just sight and press a button to capture every scene even in varying light conditions.



290 8mm ELECTRIC EYE MOVIE CAMERA

Faster than you can lift it to your eye, this new camera automatically sets itself for perfect color movies. Nothing to adjust or focus—powered by light itself. Fast f/1.9 lens takes in all the action.





Bell & Howell

GUARANTEE

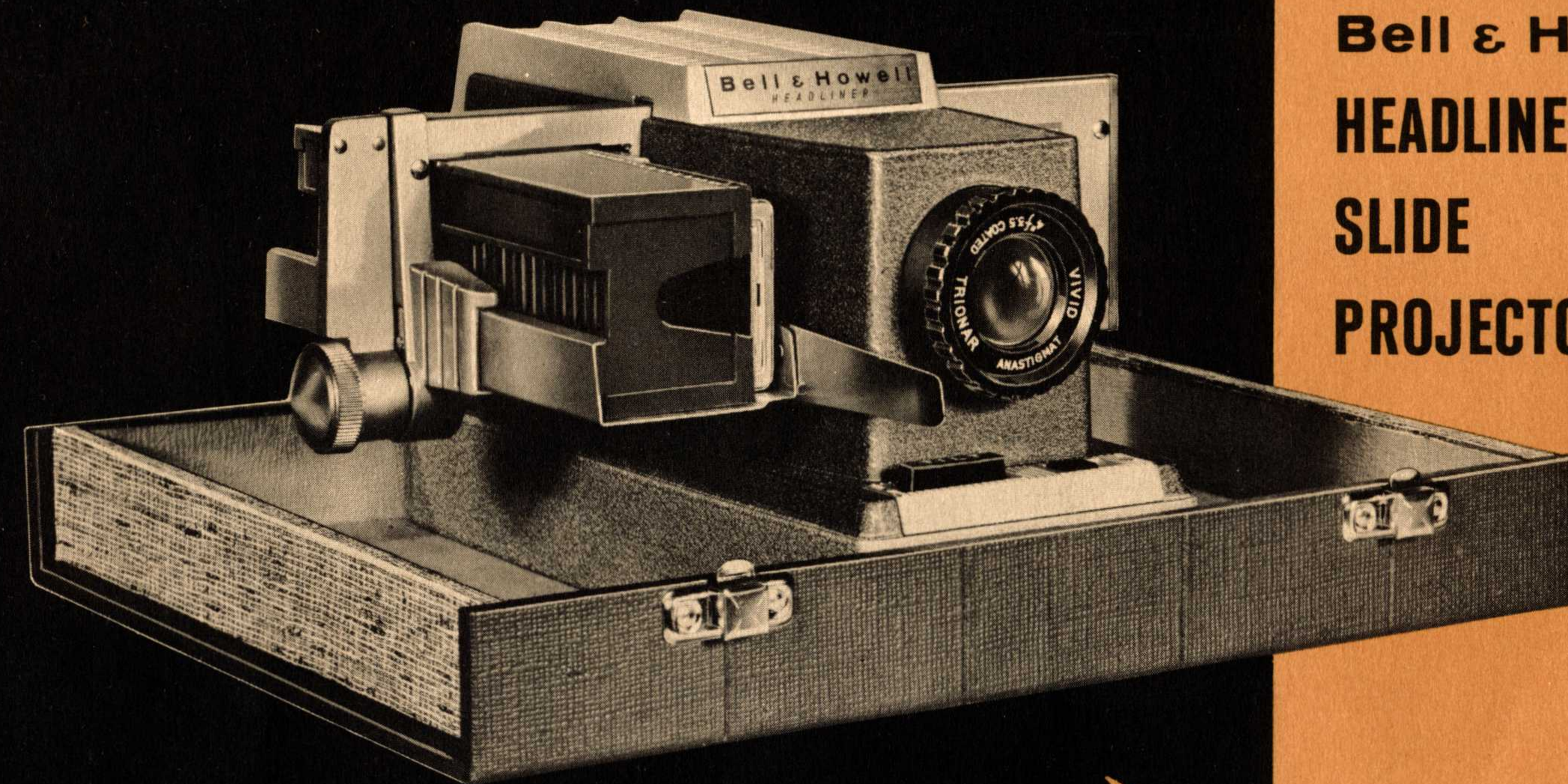
This new Bell & Howell product is guaranteed to be free from imperfections in both material and workmanship for one year from date of original purchase. Should any part of this equipment be defective, it will be replaced or repaired free of charge (except for transportation), provided the equipment has been operated according to the instructions accompanying it.

No liability is assumed for film which is damaged or is unsatisfactory for any reason and no liability is assumed for interruptions in operation of equipment. This guarantee is void:

- a) If equipment has not been registered with Bell & Howell (please use card supplied);
- b) If equipment has been damaged by accident or mishandling;
- c) If equipment has been serviced by other than Bell & Howell approved service stations;*
- d) If adaptations or accessories other than Bell & Howell have been made or attached.

The foregoing is in lieu of all other warranties express or implied and Bell & Howell Company neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with this product.

**Location of nearest approved service station will be furnished on request.*



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**Location of nearest approved service station will be furnished on request.*

FILL IN AND MAIL
THIS CARD **TODAY!**

Bell & Howell

7100 McCormick Road

Chicago 45, Illinois

PLACE

2¢

STAMP

HERE

GUARANTEE REGISTRATION CARD

The BELL & HOWELL Guarantee is VOID unless you register the serial number of your Headliner Slide Projector with B&H. Please type or print in ink.

Owner _____

First Name

Initial

Last Name

Address _____

Model _____

City _____ Zone _____ State _____

Date purchased _____

Purchased from _____

(dealer's name)

(dealer's city)

This equipment is to be used by _____

(name of organization, or write "self")

for ☐ instruction; ☐ entertainment; ☐ selling; ☐ other (specify) _____

What particular reasons did you have for buying this B&H equipment?

Other photographic equipment owned:

☐ _____ still camera

(make)

☐ _____ movie camera

(make and size)

☐ _____ movie projector

(make and size)